

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063569 A1

(51) International Patent Classification⁷: **B64D 13/00**

(21) International Application Number:
PCT/EP2004/014845

(22) International Filing Date:
30 December 2004 (30.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
103 61 657.8 30 December 2003 (30.12.2003) DE

(71) Applicant (for all designated States except US): **AIRBUS
DEUTSCHLAND GMBH [DE/DE]**; Kreetzlag 10, 21129
Hamburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SOLNTSEV,
Alexander [DE/DE]**; Am Mühlenbach 15, 22115 Ham-
burg (DE). **BAMMANN, Holger [DE/DE]**; Jahnstrasse
91, 21614 Buxtehude (DE).

(74) Agent: **BEYER, Andreas**; Wuesthoff & Wuesthoff,
Schweigerstrasse 2, 81541 München (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

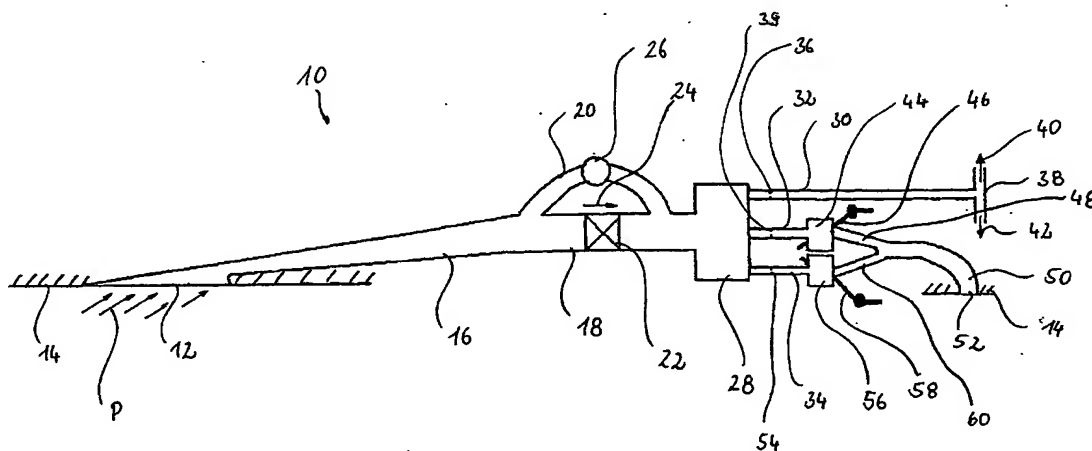
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **COOLING AIR SUPPLY FOR THE COOLING OF DIFFERENT SYSTEMS REQUIRING COOLING AIR IN AN
AIRCRAFT**



(57) Abstract: A cooling air supply system (10) for an aircraft in order to supply cooling air from the aircraft surrounds to at least two devices requiring cooling air (38, 44, 56) within the aircraft, is designed with an air inlet (12), an air channel (16) communicating with the air inlet (12) and with an air distribution device (30, 32, 34) for the distribution of air to at least two devices requiring cooling air (38, 44, 56), whereby the air inlet (12) is proportioned in such a way that it covers the maximum cooling air requirement of at least two devices requiring cooling air (38, 44, 56).